

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:)	Group Art Unit: 2822
Shunpei YAMAZAKI et al.)	Examiner: M. Guerrero
Based On: 09/118,010)	
Filed: July 17, 1998)	
For: SEMICONDUCTOR DEVICE,)	
METHOD OF FABRICATING THE)	
SAME, AND, ELECTROOPTICAL)	
DEVICE)	

INFORMATION DISCLOSURE STATEMENT

Honorable Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

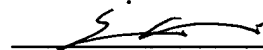
Sir:

In accordance with the provisions of 37 C.F.R. 1.56 and 37 C.F.R. 1.97-1.99, Applicant submits herewith a Form PTO-1449 listing references known to Applicant and requests that these references be made of record in the above identified application.

Copies of U.S. patents and U.S. publications are not enclosed in accordance with the Notice published in the Official Gazette on August 5, 2003 entitled *Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003*, which waives the requirement under 37 CFR 1.98(a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. publication.

The references listed on the attached Form PTO 1449 were cited in parent application Serial No. 09/118,010 and predecessor Application Serial Nos. 08/962,840 and 08/575,355 and copies of the references can be found in those applications.

Respectfully submitted,



Eric J. Robinson
Reg. No. 38,285

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	Based on 09/118,010
				Filing Date	July 17, 1998
				First Named Inventor	Shunpei YAMAZAKI, et al.
				Group Art Unit	2822
				Examiner Name	M. Guerrero
Sheet	1	of	4	Attorney Docket Number	0756-7279

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		5,347,144		Garnier et al.	09/13/94	
		5,470,619		Ahn et al.	11/28/95	
		5,500,537		Tsumura et al.	03/19/96	
		5,107,308		Koezuka et al.	04/21/92	
		5,403,756		Yoshinouchi et al.	04/04/95	
		5,529,951		Noguchi et al.	06/25/96	
		5,055,899		Wakai et al.	10/08/91	
		5,453,350		Kurachi et al.	09/26/95	
		5,541,748		Ono et al.	07/30/96	
		5,289,300		Yamazaki et al.	02/22/94	
		5,498,573		Whetten	03/02/96	
		4,068,020		Reuschel	01/10/78	
		4,365,013		Ishioka et al.	12/21/82	
		4,378,417		Maruyama et al.	03/29/83	
		4,591,892		Yamazaki	05/27/86	
		4,597,160		Ipri	07/01/86	
		4,740,829		Nakagiri et al.	04/26/88	
		4,860,069		Yamazaki	08/22/89	
		4,862,237		Morozumi	08/29/89	
		4,888,305		Yamazaki et al.	12/19/89	
		4,891,330		Guha et al.	01/02/90	

FOREIGN PATENT DOCUMENTS								
Examiner Initials [*]	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		EP	0 161 555			11/21/85		Eng.
		JP	64-068724			03/14/89		Abst.
		JP	02-103925			04/17/90		Abst.

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		Number	Kind Code ² (if known)			
		4,897,360		Guckel et al.	01/30/90	
		4,959,700		Yamazaki	09/25/90	
		4,969,025		Yamamoto et al.	11/06/90	
		4,969,031		Kobayashi et al.	11/06/90	
		4,986,213		Yamazaki et al.	01/22/91	
		5,077,223		Yamazaki	12/31/91	
		5,132,754		Serikawa et al.	07/21/92	
		5,132,821		Nicholas	07/21/92	
		5,250,818		Saraswat et al.	10/05/93	
		5,744,818		Yamazaki et al.	04/28/98	
		4,949,141		Busta	08/14/90	
		5,003,356		Wakai et al.	03/26/91	
		5,012,228		Masuda et al.	04/30/91	
		5,051,570		Tsujikawa et al.	09/24/91	
		5,084,905		Sasaki et al.	01/28/92	
		5,327,001		Wakai et al.	07/05/94	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		JP	53-144297			12/15/78		Abst.
		JP	01-068724			03/14/89		Abst.
		JP	1130131			05/23/89		Abst.
		EP	0 321 073			06/21/89		Eng.
		JP	63-100777			05/02/88		Abst.
		JP	01-030272			02/01/89		Abst.
		JP	02-188723			07/24/90		Abst.
		JP	02-210330			08/21/90		Abst.
		JP	02-051129			02/21/90		Abst.

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		5,495,353		Yamazaki et al.	02/27/96	
		5,250,931		Misawa et al.	10/05/93	
		4,239,346		Lloyd	12/16/80	
		5,056,895		Kahn	10/15/91	
		5,085,973		Shimizu et al.	02/04/92	
		5,631,753		Hamaguchi et al.	05/20/97	
		5,612,799		Yamazaki et al.	03/18/97	
		5,054,887		Kato et al.	10/08/91	
		5,304,895		Ujihara	04/19/94	
		5,334,859		Matsuda	08/02/94	
		4,609,930		Yamazaki	09/02/86	
		5,627,404		Takenouchi et al.	05/06/97	
		5,427,961		Takenouchi et al.	06/27/95	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		JP	60-033863			02/21/85		Abst.
		JP	60-066865			04/17/85		Abst.
		JP	60-035574			02/23/85		Abst.
		JP	04-184424			07/01/92		Abst.
		JP	2900229			03/19/99		Full
		JP	55-032026			03/06/80		Full
		JP	02-234134			09/1990		Full
		JP	01-156725			06/20/89		Full
		JP	49-077537			07/26/74		No
		JP	62-126677			06/08/87		Abst.
		JP	61-141174			06/28/86		Full

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		4,103,297		McGreivy et al.	07/25/78	
		4,680,580		Kawahara	07/14/87	
		5,677,041		Smayling	10/14/97	
		5,776,803		Young	07/07/98	
		4,818,077		Ohwada et al.	04/04/89	
		4,938,565		Ichikawa	07/03/90	
		4,582,395		Morozumi	04/15/86	
		4,569,903		Hashiue et al.	02/11/86	
		5,717,223		Hack et al.	02/10/98	
		5,530,265		Takemura	06/25/96	
		4,868,014		Kanai et al.	09/19/99	
		6,049,364		Takahara et al.	04/11/00	
		5,346,850		Kaschmitter et al.	09/13/94	
		5,717,224		Zhang	02/10/98	
		5,535,027		Kimura et al.	07/09/96	
		5,933,205		Yamazaki et al.	08/03/99	
		6,242,758		Yamazaki et al.	06/05/01	
		6,429,053		Yamazaki	08/06/02	
		5,066,110		Mizushima et al.	11/19/91	

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		JP	64-030272			02/21/85	Abst.
		JP	60-066863			04/17/85	Abst.
		JP	63-279228			11/16/88	Full

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		J. J. Licari, "Plastic Coatings for Electronics," McGraw-Hill Book Co., 1970, pp. 57-64.	

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